

May 21, 2018

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket 4719 - Gas Cost Recovery (GCR) Filing
Monthly Filing of GCR Deferred Balances

Dear Ms. Massaro:

On behalf of National Grid,¹ enclosed please find 10 copies of the Company's monthly filing of gas costs and gas cost revenue data.

The deferred balance report that is attached covers the 12-month period from November 1, 2017 through October 31, 2018. Based on six months of actual data and six months of projected data, the projected deferred gas cost balance at the end of October 2018 is an under-recovery of approximately \$23.8 million (see attached Schedule 1, page 1).² This calculation is based on the November 1, 2017 starting under-recovery balance of \$14.8 million³ plus actual gas costs and gas cost revenue for November 2017 through April 2018, and projected gas costs and gas cost revenue for the period May 2018 through October 2018. The projected gas costs are updated to reflect the NYMEX strip as of May 2, 2018.

Details of this deferred balance report are provided on the attached schedules. Schedule 1 summarizes the deferred gas cost activity by GCR category and by month. Schedule 2 provides a breakdown of actual gas costs for November 2017 through April 2018 and projected gas costs for May 2018 through October 2018. Schedule 3 summarizes actual and projected gas cost revenue for November 1, 2017 through October 31, 2018. Schedule 4 shows the calculation of working capital. Schedule 5 presents the calculation of inventory finance charges. Schedule 6 presents customer class specific throughput.

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

² National Grid has revised the actual monthly deferred gas cost balances for November 2017 through March 2018 previously reported to include the annual Gas Procurement Incentive Plan (GPIP) incentive of \$54,616, as set forth by bench decision during the PUC's evidentiary hearing regarding the Company's 2017-18 GCR Docket 4719 on October 30, 2017.

³ This figure represents the ending balance at October 31, 2017, as filed on November 20, 2017 in Docket No. 4647.

The projected October 2018 deferred balance of \$23.8 million is a decrease of \$2.2 million as compared to the projected deferred balance of \$26.0 million from last month's deferred balance report. The \$2.2 million decrease in the projected deferral is primarily a result of (1) a \$3.0 million increase in actual gas costs for April 2018; (2) offset by a \$5.1 million⁴ increase in revenue for the month of April 2018; and (3) a \$0.1 million decrease in the forecasted gas costs for the period May 2018 through October 2018.

The projected October 2018 deferred balance of \$23.8 million represents a difference of 14.4 percent of National Grid's projected 2017-18 annual GCR revenues, which exceeds the 5 percent criteria established for evaluating whether the Company's GCR factor should be revised (see National Grid's Tariff, RIPUC NG-GAS No. 101, Section 2, Schedule A, Part 1.2). However, this balance is a result of the partial recovery of the projected October 2018 deferral balance presented in the Company's Interim GCR Filing in Docket 4719 through GCR factors approved by the PUC on February 26, 2018, which became effective March 1, 2018. As such, the Company does not intend to further revise its GCR factors.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7415.

Very truly yours,



Robert J. Humm

Enclosures

cc: Docket 4719 Service List
Leo Wold, Esq.
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Bruce Oliver

⁴ This amount is before consideration of the billing lag of higher April 2018 gas deliveries to be billed in May 2018. National Grid estimates the expected incremental value of the higher deliveries by comparing the projected Unaccounted for Gas (UFG) for the period November 2017 through October 2018 of 7.2 percent with the actual UFG for the period November 2016 through October 2017 of 4.0 percent, and assumes the difference between the two years' UFG is a result of the deferred report not reflecting the higher-than-forecasted April 2018 gas deliveries to be billed in May 2018. The estimated volume of gas deliveries that would eliminate this difference is 925,200 dekatherms, which, when applied to the GCR factor in effect during April 2018 (excluding the uncollectible gross up), results in an estimated incremental revenue of \$6.8 million. Including the estimated incremental revenue anticipated from the May billing would reduce the projected October 2018 deferred balance from \$23.8 million to \$17.0 million.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

May 21, 2018
Date

**Docket No. 4719 – National Grid – 2017 Annual Gas Cost Recovery Filing
(GCR) - Service List as of 2/21/18**

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Deferred Gas Cost Balances

Line No.	Description	Reference	Nov Actual	Dec Actual	Jan Actual	Feb Actual	Mar Actual	Apr Actual	May Forecast	Jun Forecast	Jul Forecast	Aug Forecast	Sep Forecast	Oct Forecast	Nov-Oct
			30 (a)	31 (b)	31 (c)	28 (d)	31 (e)	30 (f)	31 (g)	30 (h)	31 (i)	31 (j)	30 (k)	31 (l)	365 (m)
(1)	# of Days in Month														
(2)	<u>I. Fixed Cost Deferred</u>														
(3)	Beginning Under/(Over) Recovery		\$1,106,719	\$2,186,800	\$518,946	(\$581,186)	(\$2,969,802)	(\$2,686,124)	(\$4,945,238)	(\$4,103,522)	(\$2,244,376)	\$51,410	\$2,456,772	\$4,761,081	\$1,106,719
(4)	Supply Fixed Costs (net of cap rel)	Sch. 2, line (30)	\$4,342,453	\$4,432,787	\$6,107,148	\$6,139,000	\$6,028,767	\$4,640,632	\$4,531,771	\$4,531,059	\$4,531,771	\$4,531,771	\$4,530,656	\$4,531,368	\$58,879,183
(5)	System Pressure to DAC (Reservation Chge - Crary St.)	Dkt 4339	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$3,153,600)
(6)	Supply Related LNG O & M	Dkt 4323	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$575,581
(7)	NGPMP Credits		(\$908,333)	(\$908,333)	\$2,132,622	(\$908,333)	\$1,273,115	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$5,677,596)
(8)	Working Capital	Sch. 4, line (15)	<u>\$23,513</u>	<u>\$24,034</u>	<u>\$29,289</u>	<u>\$29,449</u>	<u>\$28,897</u>	<u>\$21,940</u>	<u>\$21,394</u>	<u>\$21,391</u>	<u>\$21,394</u>	<u>\$21,394</u>	<u>\$21,389</u>	<u>\$21,392</u>	<u>\$285,476</u>
(9)	Total Supply Fixed Costs	Sum[(4);(8)]	\$3,242,798	\$3,333,652	\$8,054,225	\$5,045,281	\$7,115,944	\$3,539,403	\$3,429,997	\$3,429,281	\$3,429,997	\$3,429,997	\$3,428,876	\$3,429,592	\$50,909,043
(10)	Supply Fixed - Revenue	Sch. 3, line (13)	\$2,201,823	\$5,004,233	\$9,154,290	\$7,430,496	\$6,826,074	\$5,789,902	\$2,577,727	\$1,562,969	\$1,131,653	\$1,027,561	\$1,132,715	\$1,373,589	\$45,213,032
(11)	Monthly Under/(Over) Recovery	(9) - (10)	\$1,040,975	(\$1,670,580)	(\$1,100,066)	(\$2,385,215)	\$2,89,869	(\$2,250,498)	\$852,270	\$1,866,312	\$2,298,344	\$2,402,436	\$2,296,161	\$2,056,003	\$5,696,011
(12)	Prelim. Ending Under/(Over) Recovery	(3) + (11)	\$2,147,693	\$516,220	(\$581,119)	(\$2,966,401)	(\$2,679,933)	(\$4,936,623)	(\$4,092,968)	(\$2,237,210)	\$53,968	\$2,453,846	\$4,752,933	\$6,817,084	\$6,802,730
(13)	Month's Average Balance	[(3) + (12)] / 2	\$1,627,206	\$1,351,510	(\$31,087)	(\$1,773,793)	(\$2,824,868)	(\$3,811,374)	(\$4,519,103)	(\$3,170,366)	(\$1,095,204)	\$1,252,628	\$3,604,852	\$5,789,082	
(14)	Interest Rate (BOA Prime minus 200 bps)		2.25%	2.38%	2.50%	2.50%	2.58%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	
(15)	Interest Applied	[(13) * (14)] / 365 * (1)	\$3,009	\$2,726	(\$66)	(\$3,402)	(\$6,191)	(\$8,615)	(\$10,555)	(\$7,166)	(\$2,558)	\$2,926	\$8,148	\$13,521	(\$8,223)
(16)	Marketer Reconciliation	Dkt 4647	\$36,098												\$36,098
(17)	Fixed Ending Under/(Over) Recovery	(12) + (15) + (16)	\$2,186,800	\$518,946	(\$581,186)	(\$2,969,802)	(\$2,686,124)	(\$4,945,238)	(\$4,103,522)	(\$2,244,376)	\$51,410	\$2,456,772	\$4,761,081	\$6,830,605	\$6,830,605
(18)	<u>II. Variable Cost Deferred</u>														
(19)	Beginning Under/(Over) Recovery		\$13,703,849	\$17,500,089	\$29,497,784	\$53,249,553	\$47,657,338	\$45,495,738	\$33,235,112	\$27,310,295	\$24,139,234	\$22,215,549	\$20,542,280	\$18,563,736	\$13,703,849
(20)															
(21)	Variable Supply Costs	Sch. 2, line (76)	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$3,029,459	\$1,972,049	\$1,578,742	\$1,423,298	\$1,506,835	\$2,795,229	\$120,122,374
(22)	Supply Related LNG to DAC	Dkt 4339	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(23)	Supply Related LNG O & M	Dkt 4323	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$572,694
(24)	Inventory Financing - LNG	Sch. 5, line (22)	\$32,062	\$21,879	\$11,911	\$11,406	\$11,045	\$13,836	\$12,330	\$16,871	\$18,512	\$19,401	\$23,928	\$24,809	\$217,990
(25)	Inventory Financing - UG	Sch. 5, line (12)	\$80,793	\$69,463	\$47,248	\$40,189	\$35,718	\$40,056	\$27,475	\$35,906	\$41,657	\$49,189	\$61,111	\$71,358	\$600,164
(26)	Working Capital	Sch. 4, line (30)	<u>\$51,554</u>	<u>\$132,114</u>	<u>\$219,749</u>	<u>\$54,919</u>	<u>\$64,814</u>	<u>\$41,144</u>	<u>\$15,182</u>	<u>\$9,883</u>	<u>\$7,912</u>	<u>\$7,133</u>	<u>\$7,552</u>	<u>\$14,008</u>	<u>\$625,963</u>
(27)	Total Supply Variable Costs	Sum[(21);(26)]	\$9,157,042	\$23,193,618	\$44,175,003	\$11,112,598	\$13,092,178	\$8,352,570	\$3,132,170	\$2,082,433	\$1,694,548	\$1,546,746	\$1,647,151	\$2,953,129	\$122,139,186
(28)	Supply Variable - Revenue	Sch. 3, line (30)	\$5,444,194	\$11,243,275	\$20,510,988	\$16,801,480	\$15,355,752	\$20,702,072	\$9,127,611	\$5,311,573	\$3,672,303	\$3,269,889	\$3,669,841	\$4,584,838	\$119,693,817
(29)	Monthly Under/(Over) Recovery	(27) - (28)	\$3,712,848	\$11,950,343	\$23,664,014	(\$5,688,882)	(\$2,263,574)	(\$12,349,502)	(\$5,995,441)	(\$3,229,140)	(\$1,977,755)	(\$1,723,143)	(\$2,022,690)	(\$1,631,709)	\$2,445,369
(30)	Prelim. Ending Under/(Over) Recovery	(21) + (31)	\$17,416,697	\$29,450,431	\$53,161,798	\$47,560,671	\$45,393,764	\$33,146,236	\$27,239,672	\$24,081,155	\$22,161,479	\$20,492,406	\$18,519,590	\$16,932,027	\$16,149,218
(31)	Month's Average Balance	[(19) + (30)] / 2	\$15,560,273	\$23,475,260	\$41,329,791	\$50,405,112	\$46,525,551	\$39,320,987	\$30,237,392	\$25,695,725	\$23,150,356	\$21,353,977	\$19,530,935	\$17,747,881	
(32)	Interest Rate (BOA Prime minus 200 bps)		2.25%	2.38%	2.50%	2.50%	2.58%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	
(33)	Interest Applied	[(31) * (32)] / 365 * (1)	\$28,776	\$47,352	\$87,755	\$96,667	\$101,974	\$88,876	\$70,623	\$58,079	\$54,070	\$49,875	\$44,145	\$41,452	\$769,646
(34)	Gas Procurement Incentive/(penalty)		\$54,616	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$54,616
(35)	Variable Ending Under/(Over) Recovery	(30) + (33) + (34)	\$17,500,089	\$29,497,784	\$53,249,553	\$47,657,338	\$45,495,738	\$33,235,112	\$27,310,295	\$24,139,234	\$22,215,549	\$20,542,280	\$18,563,736	\$16,973,479	\$16,973,479
(36)	<u>GCRC Deferred Summary</u>														
(37)	Beginning Under/(Over) Recovery	(3) + (19)	\$14,810,568	\$19,686,889	\$30,016,730	\$52,668,368	\$44,687,536	\$42,809,614	\$28,289,875	\$23,206,772	\$21,894,858	\$22,266,959	\$22,999,053	\$23,324,817	\$14,810,568
(38)	Gas Costs	Sum[(4);(6);(16);(20);(23)]	\$13,156,349	\$27,188,114	\$49,788,409	\$16,930,249	\$18,794,533	\$12,683,331	\$7,394,119	\$6,335,997	\$5,943,403	\$5,787,959	\$5,870,380	\$7,159,486	\$177,032,330
(39)	Inventory Finance	(24) + (25)	\$112,855	\$91,342	\$59,158	\$51,596	\$46,764	\$53,892	\$39,805	\$52,777	\$60,169	\$68,590	\$85,040	\$96,167	\$818,154
(40)	Working Capital	(8) + (26)	\$75,067	\$156,147	\$249,038	\$84,367	\$93,710	\$63,084	\$36,577	\$31,274	\$29,306	\$28,527	\$28,940	\$35,401	\$911,439
(41)	NGPMP Credits	(7)	(\$908,333)	(\$908,333)	\$2,132,622	(\$908,333)	\$1,273,115	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$908,333)	(\$5,677,596)
(42)	Total Costs	Sum[(38);(41)]	\$12,435,937	\$26,527,270	\$52,229,228	\$16,157,879	\$20,208,122	\$11,891,973	\$6,562,167	\$5,511,714	\$5,124,544	\$4,976,743	\$5,076,027	\$6,382,721	\$173,084,327
(43)	Revenue	(10) + (28)	\$7,646,017	\$16,247,508	\$29,665,279	\$24,231,976	\$22,181,827	\$26,491,974	\$11,705,338	\$6,874,542	\$4,803,956	\$4,297,450	\$4,802,556	\$5,958,427	\$164,906,849
(44)	Monthly Under/(Over) Recovery	(42) - (43)	\$4,789,920	\$10,279,762	\$22,563,949	(\$8,074,097)	(\$1,973,705)	(\$14,600,000)	(\$5,143,707)	(\$1,362,828)	\$320,589	\$679,293	\$273,471	\$424,294	\$8,177,478
(45)	Prelim. Ending Under/(Over) Recovery	(37) + (44)	\$19,600,488	\$29,966,651	\$52,580,679	\$44,594,271	\$42,713,832	\$28,209,613	\$23,146,704	\$21,843,945	\$22,215,447	\$22,946,252	\$23,272,524	\$23,749,111	
(46)	Month's Average Balance	[(37) + (45)] / 2	\$17,205,528	\$24,826,770	\$41,298,704	\$48,631,319	\$43,700,684	\$35,509,614	\$25,718,290	\$22,525,359	\$22,055,152	\$22,606,606	\$23,135,788	\$23,536,964	
(47)	Interest Rate (BOA Prime minus 200 bps)		2.25%	2.38%	2.50%	2.50%	2.58%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	
(48)	Interest Applied	(15) + (33)	\$31,785	\$50,079	\$87,689	\$93,266	\$95,782	\$80,261	\$60,068	\$50,913	\$51,512	\$52,800	\$52,293	\$54,973	\$761,423
(49)	Gas Purchase Plan Incentives/(Penalties)	(34)	\$54,616	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$54,616
(50)															
(51)	Ending Under/(Over) Recovery W/ Interest	(45) + (48) + (49)	\$19,686,889	\$30,016,730	\$52,668,368	\$44,687,536	\$42,809,614	\$28,289,875	\$23,206,772	\$21,894,858	\$22,266,959	\$22,999,053	\$23,324,817	\$23,804,084	\$23,804,084

Supply Estimates Actuals for Filing

	<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	Nov-Oct (m)	
<u>Projected Gas Costs using 05/02/2018 NYMEX settled</u>														
<u>Line</u> <u>No.</u>	<u>Description</u>		<u>Reference</u>											
(1)	SUPPLY FIXED COSTS - Pipeline Delivery													
(2)	Algonquin (includes East to West, Hubline, AMA credits, Crary Street)		\$1,619,095	\$1,688,947	\$1,688,831	\$1,684,605	\$1,682,355	\$1,686,724	\$1,670,438	\$1,670,438	\$1,670,438	\$1,670,438	\$20,073,184	
(3)	TETCO/Texas Eastern		\$710,994	\$718,333	\$718,333	\$714,507	\$714,507	\$714,507	\$717,273	\$717,273	\$717,273	\$717,273	\$8,594,819	
(4)	Tennessee		\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,215	\$1,093,215	\$1,093,215	\$1,093,215	\$1,093,215	\$13,118,918	
(5)	Tennessee Dracut for Peaking		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(6)	Iroquois		\$6,070	\$6,146	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$5,667	\$72,111	
(7)	Union		\$0	\$0	\$0	\$0	\$0	\$0	\$2,984	\$2,984	\$2,984	\$2,887	\$17,710	
(8)	Transcanada		\$0	\$0	\$0	\$0	\$0	\$14,077	\$13,623	\$14,077	\$14,077	\$13,623	\$83,555	
(9)	Dominion		\$2,295	\$2,295	\$2,295	\$2,295	(\$28,532)	\$2,238	\$2,238	\$2,238	\$2,238	\$2,238	(\$3,632)	
(10)	Transco		\$4,854	\$5,015	\$5,015	\$4,530	\$5,016	\$4,848	\$5,016	\$4,854	\$5,016	\$4,854	\$59,049	
(11)	National Fuel		\$4,480	\$4,549	\$4,549	\$4,549	\$4,549	\$68	\$0	\$0	\$0	\$0	\$22,744	
(12)	Columbia		\$307,936	\$307,936	\$295,136	\$298,989	\$269,412	\$288,511	\$307,935	\$307,935	\$307,935	\$307,935	\$3,615,532	
(13)	Alberta Northeast		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(14)	Less Credits from Mkter Releases		(\$671,640)	(\$688,879)	(\$687,392)	(\$637,815)	(\$682,610)	(\$749,190)	(\$692,715)	(\$692,715)	(\$692,715)	(\$692,715)	(\$8,273,815)	
			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(15)	Supply Fixed - Supplier													
(16)	Distrigas FCS		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(17)	Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(18)	STORAGE FIXED COSTS - Facilities													
(19)	Texas Eastern		\$88,875	\$85,450	\$85,426	\$85,041	\$85,008	\$84,942	\$94,535	\$94,535	\$94,535	\$94,535	\$1,081,949	
(20)	Dominion		\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,117	\$83,117	\$83,117	\$83,117	\$83,117	\$997,230	
(21)	Tennessee		\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$580,041	
(22)	Columbia		\$9,694	\$9,694	\$9,694	\$9,694	(\$24,369)	\$9,694	\$9,694	\$9,694	\$9,694	\$9,694	\$82,265	
(23)	STORAGE FIXED COSTS - Delivery													
(24)	Algonquin		\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$2,585,230	
(25)	TETCO		\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$1,051,257	
(26)	Tennessee		\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$1,059,436	
(27)	Dominion		\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$369,288	
(28)	Columbia		\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$192,982	
(29)	NG LNG Tank Lease Payments		\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$1,964,880	
(30)	Confidential Pipelinne and Peaking Supplies		<u>\$433,181</u>	<u>\$466,683</u>	<u>\$2,152,572</u>	<u>\$2,139,916</u>	<u>\$2,139,916</u>	<u>\$796,371</u>	<u>\$567,635</u>	<u>\$567,635</u>	<u>\$567,635</u>	<u>\$567,635</u>	<u>\$11,534,448</u>	
(31)	TOTAL FIXED COSTS		Sum[(2):(30)]	\$4,342,453	\$4,432,787	\$6,107,148	\$6,139,000	\$6,028,767	\$4,640,632	\$4,531,771	\$4,531,059	\$4,531,771	\$4,530,656	\$58,879,183

Supply Estimates Actuals for Filing

		<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	Nov-Oct (m)	
<u>Projected Gas Costs using 05/02/2018 NYMEX settled</u>															
Line	Description	Reference													
<u>No.</u>															
(32)	VARIABLE SUPPLY COSTS (Includes Injections)														
(33)	Tennessee (Includes ANE and Niagara)							\$818,690	\$689,974	\$308,723	\$408,281	\$732,572	\$1,325,339	\$4,283,578	
(34)	TETCO (Includes B&W)							\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(35)	M3 Delivered							\$1,601,740	\$364,513	\$0	\$0	\$1,149,020	\$812,988	\$3,928,260	
(36)	Maumee							\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(37)	Broadrun Col							\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(38)	Columbia Eagle and Downingtown							\$100,413	\$93,396	\$81,375	\$94,441	\$57,151	\$31,651	\$458,427	
(39)	TETCO M2							\$652,256	\$1,718,353	\$1,801,502	\$1,772,296	\$922,036	\$1,719,136	\$8,585,578	
(40)	Dominion to TETCO FTS							\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(41)	Transco Leidy							\$5,028	\$4,995	\$5,211	\$5,161	\$4,747	\$5,039	\$30,180	
(42)	DistriGas FCS							\$962,491	\$24,834	\$0	\$0	\$0	\$7,146	\$994,470	
(43)	Hubline							\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(44)	Total Pipeline Commodity Charges	Sum[(33):(43)]	\$6,267,229	\$19,836,786	\$38,625,240	\$12,269,909	\$10,110,510	\$6,727,768	\$4,140,616	\$2,896,064	\$2,196,811	\$2,280,178	\$2,865,527	\$3,901,298	\$112,117,937
(45)	Hedging Settlements and Amortization		\$1,211,420	\$240,620	\$799,725	(\$2,968,937)	\$1,798,727	\$114,300	(\$1)	\$105,578	\$67,742	\$49,902	\$94,306	\$142,014	\$1,655,395
(46)	Hedging Contracts - Commission & Other Fees		\$6,189	\$51,886	\$79,326	\$73,596	\$73,578	(\$3,187)	\$0	\$0	\$0	\$0	\$0	\$0	\$281,388
(47)	Hedging Contracts - Net Carry of Collateral		\$1,141	\$1,517	\$492	\$425	\$609	\$255	\$0	\$0	\$0	\$0	\$0	\$0	\$4,439
(48)	Refunds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(49)	Less: Costs of Injections		\$0	\$0	\$0	\$0	\$0	\$0	(\$1,187,540)	(\$1,103,983)	(\$762,578)	(\$985,282)	(\$1,530,890)	(\$1,327,790)	(\$6,898,062)
(50)	TOTAL VARIABLE SUPPLY COSTS	Sum[(44):(49)]	\$7,485,980	\$20,130,810	\$39,504,783	\$9,374,993	\$11,983,423	\$6,839,136	\$2,953,075	\$1,897,659	\$1,501,975	\$1,344,799	\$1,428,942	\$2,715,522	\$107,161,097
(51)	Underground Storage		\$769,274	\$1,530,092	\$2,318,863	\$1,467,313	\$1,098,962	\$469,387	\$0	\$0	\$0	\$0	\$0	\$0	\$7,653,891
(52)	LNG Withdrawals and Trucking		\$70,178	\$1,215,597	\$1,289,263	\$182,675	\$82,699	\$489,938	\$76,384	\$74,389	\$76,767	\$78,499	\$77,893	\$79,707	\$3,793,990
(53)	Storage Delivery Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(54)	TOTAL VARIABLE STORAGE COSTS	Sum[(51):(53)]	\$839,453	\$2,745,689	\$3,608,126	\$1,649,988	\$1,181,660	\$959,326	\$76,384	\$74,389	\$76,767	\$78,499	\$77,893	\$79,707	\$11,447,881
(55)	TOTAL VARIABLE COSTS	(50) + (54)	\$8,325,432	\$22,876,499	\$43,112,909	\$11,024,981	\$13,165,084	\$7,798,461	\$3,029,459	\$1,972,049	\$1,578,742	\$1,423,298	\$1,506,835	\$2,795,229	\$118,608,978
(56)	TOTAL SUPPLY COSTS	(31) + (55)	\$12,667,886	\$27,309,286	\$49,220,057	\$17,163,981	\$19,193,851	\$12,439,093	\$7,561,230	\$6,503,107	\$6,110,513	\$5,955,069	\$6,037,491	\$7,326,597	\$177,488,160

Supply Estimates Actuals for Filing

		<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	Nov-Oct (m)
Projected Gas Costs using 05/02/2018 NYMEX settled														
Line	Description	Reference												
<u>No.</u>														
(57)	Storage Costs for FT-2 Calculation													
(58)	Storage Fixed Costs - Facilities		\$393,734	\$390,309	\$390,285	\$389,900	\$355,804	\$389,801	\$399,422	\$399,422	\$399,422	\$399,422	\$399,422	\$4,706,365
(59)	Storage Fixed Costs - Deliveries		<u>\$835,058</u>	<u>\$868,336</u>	<u>\$2,529,803</u>	<u>\$2,529,803</u>	<u>\$2,529,803</u>	<u>\$957,522</u>	<u>\$957,522</u>	<u>\$957,522</u>	<u>\$957,522</u>	<u>\$957,522</u>	<u>\$957,522</u>	<u>\$15,995,456</u>
(60)	sub-total Storage Costs	Sum[(58):(59)]	\$1,228,792	\$1,258,645	\$2,920,088	\$2,919,703	\$2,885,607	\$1,347,323	\$1,356,944	\$1,356,944	\$1,356,944	\$1,356,944	\$1,356,944	\$20,701,822
(61)	Tennessee Dracut for Peaking.		\$0	\$0	\$0	\$0	\$0	\$0	\$135,224	\$135,224	\$135,224	\$135,224	\$135,224	\$811,344
(62)	Inventory Financing		\$112,855	\$91,342	\$59,158	\$51,596	\$46,764	\$53,892	\$39,805	\$52,777	\$60,169	\$68,590	\$85,040	\$818,154
(63)	Supply related LNG O&M Costs		\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$575,581
(64)	Working Capital Requirement		<u>\$3,042</u>	<u>\$3,139</u>	<u>\$12,786</u>	<u>\$12,788</u>	<u>\$12,591</u>	<u>\$3,019</u>	<u>\$6,306</u>	<u>\$6,306</u>	<u>\$6,306</u>	<u>\$6,306</u>	<u>\$6,306</u>	<u>\$85,201</u>
(65)	Total FT-2 Storage Fixed Costs	Sum[(60):(64)]	\$1,392,654	\$1,401,090	\$3,039,998	\$3,032,051	\$2,992,926	\$1,452,199	\$1,586,244	\$1,599,216	\$1,606,608	\$1,615,029	\$1,631,479	\$22,992,102
(66)	System Storage MDQ (Dth)		198,328	206,312	207,316	206,172	204,901	205,567	183,659	183,659	183,659	183,659	183,659	2,330,551
(67)	FT-2 Storage Cost per MDQ (Dth)	(65) / (66)	\$7.0220	\$6.7911	\$14.6636	\$14.7064	\$14.6067	\$7.0644	\$8.6369	\$8.7075	\$8.7478	\$8.7936	\$8.8832	\$9.8655
(68)	Pipeline Variable	(55)	\$8,325,432	\$22,876,499	\$43,112,909	\$11,024,981	\$13,165,084	\$7,798,461	\$3,029,459	\$1,972,049	\$1,578,742	\$1,423,298	\$1,506,835	\$118,608,978
(69)	Less Non-firm Gas Costs		(\$69,482)	(\$174,134)	(\$239,752)	(\$363,158)	(\$57,060)	(\$95,167)	\$0	\$0	\$0	\$0	\$0	(\$998,752)
(70)	Less Company Use		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(71)	Less Manchester St Balancing		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(72)	Plus Cashout		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(73)	Less Mkter W/drawals/Injections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(74)	Mkter Over-takes/Undertakes		\$176,006	(\$10,908)	\$848,773	(\$171,116)	(\$368,635)	\$167,785	\$0	\$0	\$0	\$0	\$0	\$641,906
(75)	Plus Pipeline Srchg/Credit		\$525,389	\$234,248	\$240,982	\$241,914	\$219,394	\$242,528	\$0	\$0	\$0	\$0	\$0	\$1,704,454
(76)	Less Mkter FT-2 Daily weather true-up		<u>(\$12,437)</u>	<u>(\$3,267)</u>	<u>(\$114,542)</u>	<u>\$225,738</u>	<u>(\$25,906)</u>	<u>\$96,202</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$165,788</u>
(77)	TOTAL FIRM COMMODITY COSTS	Sum[(68):(76)]	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$3,029,459	\$1,972,049	\$1,578,742	\$1,423,298	\$1,506,835	\$120,122,374

GCR Revenue

			<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	Nov-Oct
			<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	
	<u>Description</u>	<u>Reference</u>	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Line No.															
(1)	<u>I. Fixed Cost Revenue</u>														
(2)	(a) Low Load dth	Sch. 6, Sum[(24):(28), (30)]	1,478,464	3,055,015	5,627,880	4,518,711	3,523,240	3,506,098	1,507,174	857,523	589,461	527,941	593,153	743,076	26,527,735
(3)	Fixed Cost Factor	(4) / (2)	\$1.3460	\$1.5512	\$1.5518	\$1.5521	\$1.8382	\$1.5395	\$1.5517	\$1.5517	\$1.5517	\$1.5517	\$1.5517	\$1.5517	
(4)	Low Load Revenue		\$1,989,994.18	\$4,738,829	\$8,733,379	\$7,013,475	\$6,476,372	\$5,397,759	\$2,338,682	\$1,330,619	\$914,666	\$819,206	\$920,396	\$1,153,031	\$41,826,408
(5)	(b) High Load dth	Sch. 6, Sum[(22), (23), (29), (31)]	54,755	67,995	92,898	85,624	72,461	73,508	60,848	54,946	41,400	33,790	37,285	44,548	720,057
(6)	Fixed Cost Factor	(7) / (5)	\$1.0189	\$1.1333	\$1.1341	\$1.1383	\$1.3754	\$1.1401	\$1.1342	\$1.1342	1.1342	1.1342	1.1342	1.1342	
(7)	High Load Revenue		\$55,792	\$77,058	\$105,354	\$97,469	\$99,665	\$83,810	\$69,014	\$62,319	\$46,956	\$38,324	\$42,288	\$50,527	\$828,576
(8)	sub-total throughput Dth	(2) + (5)	1,533,220	3,123,009	5,720,779	4,604,335	3,595,701	3,579,606	1,568,022	912,469	630,861	561,730	630,438	787,624	27,247,793
(9)	FT-2 Storage Revenue from marketers		\$154,547	\$187,123	\$314,755	\$318,628	\$249,245	\$306,325	\$170,031	\$170,031	\$170,031	\$170,031	\$170,031	\$170,031	\$2,550,808
(10)	Manchester Steet Volumes (dth)	Monthly Meter Use	930	763	501	576	495	1,253	0	0	0	0	0	0	
(11)	Fixed cost factor (dth)	Inherent in approved GCR	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	
(12)	Manchester Street Revenue	(10) * (11)	\$1,490	\$1,222	\$802	\$924	\$793	\$2,008	\$0	\$0	\$0	\$0	\$0	\$0	\$7,240
(13)	TOTAL Fixed Revenue	(4) + (7) + (9) + (12)	\$2,201,823	\$5,004,233	\$9,154,290	\$7,430,496	\$6,826,074	\$5,789,902	\$2,577,727	\$1,562,969	\$1,131,653	\$1,027,561	\$1,132,715	\$1,373,589	\$45,213,032
(14)	<u>II. Variable Cost Revenue</u>														
(15)	(a) Firm Sales dth	(8)	1,533,220	3,123,009	5,720,779	4,604,335	3,595,701	3,579,606	1,568,022	912,469	630,861	561,730	630,438	787,624	27,247,793
(16)	Variable Supply Cost Factor	(17) / (15)	\$3.5211	\$3.5698	\$3.5713	\$3.5703	\$4.2324	\$5.7770	\$5.8211	\$5.8211	\$5.8211	\$5.8211	\$5.8211	\$5.8211	
(17)	Variable Supply Revenue		\$5,398,547	\$11,148,618	\$20,430,812	\$16,438,937	\$15,218,596	\$20,679,478	\$9,127,611	\$5,311,573	\$3,672,303	\$3,269,889	\$3,669,841	\$4,584,838	\$118,951,042
(18)	(b) TSS Sales dth	Sch. 6, line (20)	2,513	12,138	24,197	27,895	22,935	20,288							109,965
(19)	TSS Surcharge Factor	Company's website	\$0.0000	\$0.0000	\$0.0000	\$0.3170	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
(20)	TSS Surcharge Revenue	(18) * (19)	\$0	\$0	\$0	\$8,843	\$0	\$0							\$8,843
(21)	(c) Default Sales dth	Sch. 6, line (60)	4,332	9,934	11,836	12,359	9,199	10,571	0	0	-	-	-	-	58,231
(22)	Variable Supply Cost Factor	(23) / (21)	\$6.75	\$8.23	\$5.95	\$27.45	\$14.52	(\$1.03)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(23)	Variable Supply Revenue		\$29,250	\$81,788	\$70,376	\$339,267	\$133,568	(\$10,899)	\$0	\$0	\$0	\$0	\$0	\$0	\$643,349
(24)	(d) Peaking Gas Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(25)	(e) Deferred Responsibility		\$12,967	\$10,056	\$7,953	\$12,308	\$1,190	\$25,960	\$0	\$0	\$0	\$0	\$0	\$0	\$70,435
(26)	(e) FT-1 Storage and Peaking														
(27)	Manchester Steet Volumes (dth)	Monthly Meter Use	930	763	501	576	495	1,253	0	0	0	0	0	0	
(28)	Variable Supply Cost Factor (dth)	Inherent in approved GCR	\$3.6884	\$3.6884	\$3.6884	\$3.6884	\$4.8503	\$6.0123	\$6.0123	\$6.0123	\$6.0123	\$6.0123	\$6.0123	\$6.0123	
(29)	Manchester Street Revenue	(27) * (28)	\$3,430	\$2,812	\$1,847	\$2,126	\$2,399	\$7,533	\$0	\$0	\$0	\$0	\$0	\$0	\$20,148
(30)	TOTAL Variable Revenue	(17)+(20)+(23)+(24)+(25)+(26)+(29)	\$5,444,194	\$11,243,275	\$20,510,988	\$16,801,480	\$15,355,752	\$20,702,072	\$9,127,611	\$5,311,573	\$3,672,303	\$3,269,889	\$3,669,841	\$4,584,838	\$119,693,817
(31)	Total Gas Cost Revenue (w/o FT-2)	(13) + (30)	\$7,646,017	\$16,247,508	\$29,665,279	\$24,231,976	\$22,181,827	\$26,491,974	\$11,705,338	\$6,874,542	\$4,803,956	\$4,297,450	\$4,802,556	\$5,958,427	\$164,906,849

Lines 12 and 29: Pursuant to the Division of Public Utilities and Carriers' approval in Docket No. D-15-04 of the Company's transportation contract for gas delivered to Manchester St. Station, beginning in July 2015, the Company is crediting imputed revenue to offset the gas costs associated with heater gas used at Manchester St. Station

WORKING CAPITAL

		<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	<u>Nov-Oct</u> (m)	
Line No.	Description	Reference													
(1)	Supply Fixed Costs	Sch. 1, line (4)	\$4,342,453	\$4,432,787	\$6,107,148	\$6,139,000	\$6,028,767	\$4,640,632	\$4,531,771	\$4,531,059	\$4,531,771	\$4,531,771	\$4,530,656	\$4,531,368	\$58,879,183
(2)	Less: LNG Demand to DAC	Sch. 1, line (5)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$3,153,600)
(3)	Plus: Supply Related LNG O&M Costs	Dkt 4323	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4)	Total Adjustments	(2) + (3)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$3,153,600)
(5)	Allowable Working Capital Costs	(1) + (4)	\$4,079,653	\$4,169,987	\$5,844,348	\$5,876,200	\$5,765,967	\$4,377,832	\$4,268,971	\$4,268,259	\$4,268,971	\$4,268,971	\$4,267,856	\$4,268,568	\$55,725,583
(6)	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
(7)	Working Capital Requirement	[(5) * (6)] / 365	\$240,420	\$245,744	\$344,416	\$346,293	\$339,797	\$257,992	\$251,577	\$251,535	\$251,577	\$251,577	\$251,511	\$251,553	
(8)	Cost of Capital	Dkt 4339	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
(9)	Return on Working Capital Requirement	(7) * (8)	\$17,454	\$17,841	\$25,005	\$25,141	\$24,669	\$18,730	\$18,264	\$18,261	\$18,264	\$18,264	\$18,260	\$18,263	
(10)	Weighted Cost of Debt	Dkt 4339	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
(11)	Interest Expense	(7) * (10)	\$6,203	\$6,340	\$8,886	\$8,934	\$8,767	\$6,656	\$6,491	\$6,490	\$6,491	\$6,491	\$6,489	\$6,490	
(12)	Taxable Income	(9) - (11)	\$11,252	\$11,501	\$16,119	\$16,207	\$15,903	\$12,074	\$11,774	\$11,772	\$11,774	\$11,774	\$11,771	\$11,773	
(13)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
(14)	Return and Tax Requirement	(12) / (13)	\$17,310	\$17,694	\$20,403	\$20,515	\$20,130	\$15,284	\$14,904	\$14,901	\$14,904	\$14,904	\$14,900	\$14,902	
(15)	Supply Fixed Working Capital Requirement	(11) + (14)	\$23,513	\$24,034	\$29,289	\$29,449	\$28,897	\$21,940	\$21,394	\$21,391	\$21,394	\$21,394	\$21,389	\$21,392	\$285,476
(16)	Supply Variable Costs	Sch. 1, line (21)	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$3,029,459	\$1,972,049	\$1,578,742	\$1,423,298	\$1,506,835	\$2,795,229	\$120,122,374
(17)	Less: Balancing Related LNG Commodity (to DAC)	Sch. 1, line (22)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(18)	Plus: Supply Related LNG O&M Costs	Dkt 4323	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(19)	Total Adjustments	(17) + (18)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(20)	Allowable Working Capital Costs	(16) + (19)	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$3,029,459	\$1,972,049	\$1,578,742	\$1,423,298	\$1,506,835	\$2,795,229	\$120,122,374
(21)	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
(22)	Working Capital Requirement	[(20) * (21)] / 365	\$527,137	\$1,350,854	\$2,584,051	\$645,793	\$762,154	\$483,816	\$178,531	\$116,216	\$93,038	\$83,877	\$88,800	\$164,727	
(23)	Cost of Capital	Dkt 4339	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
(24)	Return on Working Capital Requirement	(22) * (23)	\$38,270	\$98,072	\$187,602	\$46,885	\$55,332	\$35,125	\$12,961	\$8,437	\$6,755	\$6,089	\$6,447	\$11,959	
(25)	Weighted Cost of Debt	Dkt 4339	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
(26)	Interest Expense	(22) * (25)	\$13,600	\$34,852	\$66,669	\$16,661	\$19,664	\$12,482	\$4,606	\$2,998	\$2,400	\$2,164	\$2,291	\$4,250	
(27)	Taxable Income	(24) - (26)	\$24,670	\$63,220	\$120,934	\$30,223	\$35,669	\$22,643	\$8,355	\$5,439	\$4,354	\$3,925	\$4,156	\$7,709	
(28)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
(29)	Return and Tax Requirement	(27) / (28)	\$37,954	\$97,261	\$153,080	\$38,257	\$45,150	\$28,662	\$10,576	\$6,885	\$5,512	\$4,969	\$5,261	\$9,759	
(30)	Supply Variable Working Capital Requirement	(26) + (29)	\$51,554	\$132,114	\$219,749	\$54,919	\$64,814	\$41,144	\$15,182	\$9,883	\$7,912	\$7,133	\$7,552	\$14,008	\$625,963

			Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Forecast (g)	Jun Forecast (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
Line No.	Description	Reference													
(1)	Storage Inventory Balance		\$9,637,833	\$8,298,259	\$6,520,983	\$5,598,019	\$5,040,144	\$5,648,954	\$3,877,029	\$5,066,626	\$5,878,226	\$6,941,021	\$8,623,396	\$10,069,304	
(2)	Monthly Storage Deferral/Amortization		\$275,404	\$224,820	\$146,134	\$73,068	\$1	\$3,293	\$0	\$0	\$0	\$0	\$0	\$0	
(3)	Subtotal	(1) + (2)	\$9,913,237	\$8,523,079	\$6,667,117	\$5,671,087	\$5,040,146	\$5,652,247	\$3,877,029	\$5,066,626	\$5,878,226	\$6,941,021	\$8,623,396	\$10,069,304	
(4)	Cost of Capital	Dkt 4323	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
(5)	Return on Working Capital Requirement	(3) x (4)	\$719,701	\$618,776	\$484,033	\$411,721	\$365,915	\$410,353	\$281,472	\$367,837	\$426,759	\$503,918	\$626,059	\$731,031	\$5,947,575
(6)	Weighted Cost of Debt	Dkt 4323	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
(7)	Interest Charges Financed	(3) x (6)	\$255,762	\$219,895	\$172,012	\$146,314	\$130,036	\$145,828	\$100,027	\$130,719	\$151,658	\$179,078	\$222,484	\$259,788	\$2,113,601
(8)	Taxable Income	(5) - (7)	\$463,939	\$398,880	\$312,021	\$265,407	\$235,879	\$264,525	\$181,445	\$237,118	\$275,101	\$324,840	\$403,575	\$471,243	
(9)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
(10)	Return and Tax Requirement	(8) / (9)	\$713,753	\$613,662	\$394,963	\$335,958	\$298,581	\$334,842	\$229,677	\$300,149	\$348,229	\$411,190	\$510,854	\$596,511	\$5,088,369
(11)	Working Capital Requirement	(7) + (10)	\$969,515	\$833,557	\$566,975	\$482,272	\$428,617	\$480,670	\$329,705	\$430,868	\$499,887	\$590,268	\$733,338	\$856,299	\$7,201,970
(12)	Monthly Average	(11) / 12	\$80,793	\$69,463	\$47,248	\$40,189	\$35,718	\$40,056	\$27,475	\$35,906	\$41,657	\$49,189	\$61,111	\$71,358	\$600,164
(13)	LNG Inventory Balance		\$3,933,984	\$2,684,514	\$1,680,685	\$1,609,519	\$1,558,618	\$1,952,417	\$1,739,817	\$2,380,668	\$2,612,172	\$2,737,694	\$3,376,487	\$3,500,813	
(14)	Cost of Capital	Dkt 4323	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
(15)	Return on Working Capital Requirement	(13) x (14)	\$285,607	\$194,896	\$122,018	\$116,851	\$113,156	\$141,745	\$126,311	\$172,837	\$189,644	\$198,757	\$245,133	\$254,159	\$2,161,112
(16)	Weighted Cost of Debt	Dkt 4323	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
(17)	Interest Charges Financed	(13) x (16)	\$101,497	\$69,260	\$43,362	\$41,526	\$40,212	\$50,372	\$44,887	\$61,421	\$67,394	\$70,633	\$87,113	\$90,321	\$767,999
(18)	Taxable Income	(15) - (17)	\$184,110	\$125,635	\$78,656	\$75,325	\$72,943	\$91,373	\$81,423	\$111,415	\$122,250	\$128,124	\$158,020	\$163,838	
(19)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
(20)	Return and Tax Requirement	(18) / (19)	\$283,247	\$193,285	\$99,565	\$95,349	\$92,333	\$115,662	\$103,068	\$141,032	\$154,746	\$162,182	\$200,025	\$207,390	\$1,847,884
(21)	Working Capital Requirement	(17) + (20)	\$384,744	\$262,546	\$142,926	\$136,874	\$132,546	\$166,034	\$147,955	\$202,453	\$222,140	\$232,815	\$287,138	\$297,711	\$2,615,882
(22)	Monthly Average	(21) / 12	\$32,062	\$21,879	\$11,911	\$11,406	\$11,045	\$13,836	\$12,330	\$16,871	\$18,512	\$19,401	\$23,928	\$24,809	\$217,990
(23)	TOTAL GCR Inventory Financing Costs	(12) + (22)	\$112,855	\$91,342	\$59,158	\$51,596	\$46,764	\$53,892	\$39,805	\$52,777	\$60,169	\$68,590	\$85,040	\$96,167	\$818,154

Actual Dth Usage for Filing

	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov-Oct</u>	
	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
<u>THROUGHPUT (Dth)</u>														
Line	Rate Class													
No.														
(1)	<u>SALES</u>													
(2)	Residential Non-Heating	25,799	36,375	54,883	49,588	42,810	41,610	32,303	22,003	16,157	14,197	15,072	17,788	368,585
(3)	Residential Non-Heating Low Income	506	908	1,479	1,192	1,139	1,176	0	0	0	0	0	0	6,399
(4)	Residential Heating	1,049,547	2,123,640	3,918,609	3,156,062	2,437,110	2,449,113	1,134,913	640,980	439,872	378,733	439,199	549,175	18,716,951
(5)	Residential Heating Low Income	85,126	174,014	295,095	237,817	192,552	191,545	0	0	0	0	0	0	1,176,150
(6)	Small C&I	111,854	277,727	585,108	440,831	334,818	319,554	116,832	75,482	45,315	41,777	47,836	57,800	2,454,931
(7)	Medium C&I	195,033	383,557	650,534	533,358	424,687	414,692	214,438	122,975	95,239	99,371	93,976	121,150	3,349,009
(8)	Large LLF	32,729	77,403	145,182	120,731	101,572	99,605	38,351	16,635	8,837	7,982	11,775	14,173	674,974
(9)	Large HLF	19,260	22,406	29,939	26,984	24,449	27,181	23,632	27,213	19,713	14,410	15,671	18,743	269,602
(10)	Extra Large LLF	1,662	7,001	9,784	6,318	10,337	11,137	2,641	1,452	198	78	368	778	51,755
(11)	Extra Large HLF	<u>9,191</u>	<u>7,841</u>	<u>5,969</u>	<u>3,560</u>	<u>3,292</u>	<u>3,705</u>	<u>4,912</u>	<u>5,730</u>	<u>5,529</u>	<u>5,182</u>	<u>6,542</u>	<u>8,018</u>	<u>69,472</u>
(12)	Total Sales	1,530,707	3,110,872	5,696,582	4,576,441	3,572,766	3,559,318	1,568,022	912,469	630,861	561,730	630,438	787,624	27,137,828
(13)	<u>TSS</u>													
(14)	Small	26	327	1,270	1,577	928	895	0	0	0	0	0	0	5,023
(15)	Medium	1,986	6,054	11,692	11,398	12,266	11,034	0	0	0	0	0	0	54,431
(16)	Large LLF	501	5,293	10,619	10,619	8,970	8,523	0	0	0	0	0	0	44,511
(17)	Large HLF	0	464	629	4,300	771	(164)	0	0	0	0	0	0	6,000
(18)	Extra Large LLF	0	0	0	0	0	0	0	0	0	0	0	0	0
(19)	Extra Large HLF	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(20)	Total TSS	2,513	12,138	24,197	27,895	22,935	20,288	0	0	0	0	0	0	109,965
(21)	<u>Sales & TSS THROUGHPUT</u>													
(22)	Residential Non-Heating	25,799	36,375	54,883	49,588	42,810	41,610	32,303	22,003	16,157	14,197	15,072	17,788	368,585
(23)	Residential Non-Heating Low Income	506	908	1,479	1,192	1,139	1,176	0	0	0	0	0	0	6,399
(24)	Residential Heating	1,049,547	2,123,640	3,918,609	3,156,062	2,437,110	2,449,113	1,134,913	640,980	439,872	378,733	439,199	549,175	18,716,951
(25)	Residential Heating Low Income	85,126	174,014	295,095	237,817	192,552	191,545	0	0	0	0	0	0	1,176,150
(26)	Small C&I	111,880	278,053	586,379	442,408	335,746	320,449	116,832	75,482	45,315	41,777	47,836	57,800	2,459,954
(27)	Medium C&I	197,019	389,610	662,226	544,756	436,953	425,727	214,438	122,975	95,239	99,371	93,976	121,150	3,403,440
(28)	Large LLF	33,230	82,697	155,787	131,351	110,543	108,127	38,351	16,635	8,837	7,982	11,775	14,173	719,485
(29)	Large HLF	19,260	22,871	30,568	31,285	25,220	27,017	23,632	27,213	19,713	14,410	15,671	18,743	275,602
(30)	Extra Large LLF	1,662	7,001	9,784	6,318	10,337	11,137	2,641	1,452	198	78	368	778	51,755
(31)	Extra Large HLF	<u>9,191</u>	<u>7,841</u>	<u>5,969</u>	<u>3,560</u>	<u>3,292</u>	<u>3,705</u>	<u>4,912</u>	<u>5,730</u>	<u>5,529</u>	<u>5,182</u>	<u>6,542</u>	<u>8,018</u>	<u>69,472</u>
(32)	Total Sales & TSS Throughput	1,533,220	3,123,009	5,720,779	4,604,335	3,595,701	3,579,606	1,568,022	912,469	630,861	561,730	630,438	787,624	27,247,793
(33)	<u>FT-1 TRANSPORTATION</u>													
(34)	FT-1 Small	0	0	0	0	0	0	0	0	0	0	0	0	0
(35)	FT-1 Medium	30,639	60,057	94,202	106,674	70,928	79,406	31,888	21,653	21,013	19,318	21,408	35,222	592,407
(36)	FT-1 Large LLF	34,759	97,785	156,615	188,114	117,763	131,498	33,765	19,154	14,104	14,041	18,967	49,248	875,811
(37)	FT-1 Large HLF	32,023	38,641	51,303	58,673	41,269	46,793	32,268	38,409	34,345	33,598	34,094	36,653	478,069
(38)	FT-1 Extra Large LLF	48,732	127,674	194,739	224,079	151,917	171,030	57,371	25,418	18,571	17,506	23,902	75,474	1,136,414
(39)	FT-1 Extra Large HLF	433,197	494,103	573,189	623,062	499,034	544,355	507,575	495,697	509,032	501,923	469,060	501,274	6,151,499
(40)	Default	<u>4,332</u>	<u>9,934</u>	<u>11,836</u>	<u>12,359</u>	<u>9,199</u>	<u>10,571</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>58,231</u>
(41)	Total FT-1 Transportation	583,682	828,194	1,081,884	1,212,960	890,109	983,653	662,867	600,331	597,065	586,386	567,430	697,872	9,292,431
(42)	<u>FT-2 TRANSPORTATION</u>													
(43)	FT-2 Small	6,121	14,942	30,920	23,834	18,268	17,792	10,822	5,728	3,123	2,694	3,241	6,419	143,905
(44)	FT-2 Medium	115,362	220,831	362,383	302,105	252,568	225,062	131,426	75,625	55,737	49,625	50,351	68,497	1,909,572
(45)	FT-2 Large LLF	60,802	159,214	267,279	214,763	179,315	174,043	76,859	34,677	19,007	17,387	24,596	32,879	1,260,820
(46)	FT-2 Large HLF	36,322	47,803	63,254	59,154	50,624	53,196	43,826	36,028	27,713	26,177	28,472	31,150	503,720
(47)	FT-2 Extra Large LLF	126	2,476	4,034	3,026	2,441	2,597	4,441	2,652	1,362	1,184	1,289	2,063	27,692
(48)	FT-2 Extra Large HLF	<u>47,318</u>	<u>52,276</u>	<u>60,012</u>	<u>46,226</u>	<u>43,247</u>	<u>46,933</u>	<u>43,130</u>	<u>44,111</u>	<u>36,715</u>	<u>36,604</u>	<u>46,095</u>	<u>38,887</u>	<u>541,554</u>
(49)	Total FT-2 Transportation	266,050	497,542	787,882	649,107	546,463	519,623	310,505	198,821	143,659	133,672	154,043	179,896	4,387,262
(50)	<u>Total THROUGHPUT</u>													
(51)	Residential Non-Heating	25,799	36,375	54,883	49,588	42,810	41,610	32,303	22,003	16,157	14,197	15,072	17,788	368,585
(52)	Residential Non-Heating Low Income	506	908	1,479	1,192	1,139	1,176	0	0	0	0	0	0	6,399
(53)	Residential Heating	1,049,547	2,123,640	3,918,609	3,156,062	2,437,110	2,449,113	1,134,913	640,980	439,872	378,733	439,199	549,175	18,716,951
(54)	Residential Heating Low Income	85,126	174,014	295,095	237,817	192,552	191,545	0	0	0	0	0	0	1,176,150
(55)	Small C&I	118,001	292,995	617,299	466,242	354,014	338,241	127,654	81,210	48,438	44,471	51,076	64,219	2,603,859
(56)	Medium C&I	343,020	670,498	1,118,811	953,535	760,448	730,194	377,752	220,253	171,990	168,314	165,735	224,869	5,905,419
(57)	Large LLF	128,791	339,695	579,680	534,227	407,621	413,668	148,974	70,466	41,947	39,409	55,337	96,300	2,856,116
(58)	Large HLF	87,605	109,315	145,125	149,112	117,113	127,007	99,726	101,650	81,771	74,186	78,236	86,545	1,257,390
(59)	Extra Large LLF	50,519	137,151	208,557	233,422	164,695	184,765	64,454	29,522	20,131	18,769	25,559	78,316	1,215,861
(60)	Extra Large HLF	489,706	554,220	639,171	672,847	545,573	594,993	555,617	545,537	551,277	543,710	521,696	548,179	6,762,526
(61)	Default	<u>4,332</u>	<u>9,934</u>	<u>11,836</u>	<u>12,359</u>	<u>9,199</u>	<u>10,571</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>58,231</u>
(62)	Total Throughput	2,382,952	4,448,745	7,590,544	6,466,403	5,032,272	5,082,882	2,541,393	1,711,620	1,371,584	1,281,789	1,351,911	1,665,391	40,927,486